

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/006,430

DATE: 12/17/2001
TIME: 11:07:09

Input Set : A:\RTS-0341 Sequence Listing.txt
Output Set: N:\CRF3\12172001\J006430.raw

ENTERED

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4 <110> APPLICANT: Mark J. Graham
5 Kenneth Dobie
7 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF CD81 EXPRESSION
9 <130> FILE REFERENCE: RTS-0341
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/006,430
C--> 11 <141> CURRENT FILING DATE: 2001-12-10
11 <160> NUMBER OF SEQ ID NOS: 90
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 20
16 <212> TYPE: DNA
17 <213> ORGANISM: Artificial Sequence
19 <220> FEATURE:
21 <223> OTHER INFORMATION: Antisense Oligonucleotide
23 <400> SEQUENCE: 1
24 tccgtcatcg ctccctcaggg
27 <210> SEQ ID NO: 2
28 <211> LENGTH: 20
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
34 <223> OTHER INFORMATION: Antisense Oligonucleotide
36 <400> SEQUENCE: 2
37 atgcattctg ccccaagga
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 1496
42 <212> TYPE: DNA
43 <213> ORGANISM: Homo sapiens
45 <220> FEATURE:
47 <221> NAME/KEY: CDS
48 <222> LOCATION: (239)...(949)
50 <400> SEQUENCE: 3
51 ccatttgtct ggaaaggcgc gcaacggcgg cgacggcggc gaccccaccc cgcatcctgc 60
52 cagggctccg cgccccagccg cccacgcggc cccgcggccc gggccggcac ctttcttcg 120
53 cggcccccggc cctcgccccg ccaggcccccc ttgcggccca cccgcccaggc cccgcggccg 180
55 cccggccccc gcccaggacc ggccccggcc cccgaggccg cccggccccc gggccccc 238
57 cccggccccc gcccaggacc ggccccggcc cccgaggccg cccggccccc gggccccc 286
61 atg gga gtg gag ggc tgc acc aag tgc atc aag tac ctg ctc ttc gtc
62 Met Gly Val Glu Gly Cys Thr Lys Cys Ile Lys Tyr Leu Leu Phe Val
63 1 5 10 15
64 ttc aat ttc gtc ttc tgg ctg gct gga ggc gtg atc ctg ggt gtg gcc 334
65 phe asn phe val phe trp leu ala gly gly val ile leu gly val ala
66 20 25 30
67 ctg tgg ctc cgc cat gac ccg cag acc acc aac ctc ctg tat ctg gag 382
68 leu trp leu arg his asp pro gln thr thr asn leu leu tyr leu glu
69 35 40 45
70 50 55 60
71 ctg gga gac aag ccc gcg ccc aac acc ttc tat gta ggc atc tac atc 430
72 ctc ggg gac aag ccc gcg ccc aac acc ttc tat gta ggc atc tac atc
73 leu gly asp lys pro ala pro asn thr phe tyr val gly ile tyr ile
74 50
75 55

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77	ctc atc gct gtg ggc	atc gtc atg atg ttc	gtt ggc ttc ctg ggc	tgc	478
78	Leu Ile Ala Val Gly	Ala Val Met Met Phe	Val Gly Phe Leu Gly	Cys	
79	65	70	75	80	
81	tac ggg gcc atc cag	gaa tcc cag tgc	ctg ctg ggg acg	ttc ttc acc	526
82	Tyr Gly Ala Ile Gln	Glu Ser Gln Cys	Leu Leu Gly Thr	Phe Thr	
83	85	90	95		
85	tgc ctg gtc atc ctg	ttt gcc tgt gag	gtg gcc gcc atc	tgg ggc	574
86	Cys Leu Val Ile	Leu Phe Ala Cys	Glu Val Ala Ala	Gly Ile Trp Gly	
87	100	105	110		
89	ttt gtc aac aag gac	cag atc gcc aag	gat gtg aag cag	ttc tat gac	622
90	Phe Val Asn Lys Asp	Gln Ile Ala Lys	Asp Val Lys Gln	Phe Tyr Asp	
91	115	120	125		
93	cag gcc cta cag cag	gcc gtg gtg gat	gat gac gcc aac	aac gcc aag	670
94	Gln Ala Leu Gln Gln	Ala Val Val Asp	Asp Asp Ala Asn Asn Ala	Lys	
95	130	135	140		
97	gct gtg aag acc ttc	cac gag acg	ctt gac tgc	tgt ggc tcc agc	718
98	Ala Val Val Lys Thr	Phe His Glu Thr	Leu Asp Cys Cys	Gly Ser Ser	
99	145	150	155	160	
101	aca ctg act gct ttg	acc acc tca	gtg ctc aag aac	aat ttg tgt ccc	766
102	Thr Leu Thr Ala	Leu Thr Thr Ser	Val Leu Lys Asn	Asn Leu Cys Pro	
103	165	170	175		
105	tcg ggc agc aac atc	atc agc aac ctc	ttc aag gag gac	tgc cac cag	814
106	Ser Gly Ser Asn Ile	Ile Ser Asn Leu	Phe Lys Glu Asp	Cys His Gln	
107	180	185	190		
109	aag atc gat gac	ctc ttc tcc	ggg aag ctg tac	ctc atc ggc	862
110	Lys Ile Asp Asp	Leu Phe Ser Gly	Lys Leu Tyr Ile	Gly Ile Ala	
111	195	200	205		
113	gcc atc gtg gtc	gct gtg atc atg	atc ttc gag	atg atc ctg agc	910
114	Ala Ile Val Val	Ala Val Ile	Met Ile Phe Glu	Met Ile Leu Ser Met	
115	210	215	220		
117	gtg ctg tgc tgt	ggc atc cgg	aac agc tcc	gtg tac tga	959
118	Val Leu Cys Cys	Gly Ile Arg Asn	Ser Ser Val	Tyr	
119	225	230	235		
121	ctctggccac	aggcacctc	gcagtcccc	ctaagtgacc	1019
123	atcaccgcct	gtgtatataa	cgtttccgt	attactctgc	1079
125	ttggggttt	gttttgttc	tgaactttcc	tgttacctt	1139
127	agggtggcgt	tatgagtgga	gacgggcctg	ggcttgggg	1199
129	ctgcccctgg	ggtcccagg	tgctctgcct	gctcagccag	1259
131	gcccagagac	tcaacttggg	ggctgtgtcc	accaggcccc	1319
133	gggctgcaca	gctcacctt	ttccctcctg	ccccggttcg	1379
135	tctctgcctt	catgcacctg	tcctttctaa	cacgtcgct	1439
137	ctgactccgt	catttaataa	agaaggaaca	tcaggcatgc	1496
140	<210>	SEQ ID NO:	4		
141	<211>	LENGTH:	20		
142	<212>	TYPE:	DNA		
143	<213>	ORGANISM:	Artificial Sequence		
145	<220>	FEATURE:			
147	<223>	OTHER INFORMATION:	PCR Primer		
149	<400>	SEQUENCE:	4		

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150 cagatcgcca aggatgtgaa 20
153 <210> SEQ ID NO: 5
154 <211> LENGTH: 18
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
160 <223> OTHER INFORMATION: PCR Primer
162 <400> SEQUENCE: 5
163 qcgttgttgg cgtcatca 18
166 <210> SEQ ID NO: 6
167 <211> LENGTH: 28
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
173 <223> OTHER INFORMATION: PCR Probe
175 <400> SEQUENCE: 6
176 agttctatga ccaggcccta cagcaggc 28
179 <210> SEQ ID NO: 7
180 <211> LENGTH: 19
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
186 <223> OTHER INFORMATION: PCR Primer
188 <400> SEQUENCE: 7
189 qaagggtgaag gtcqgagtc 19
192 <210> SEQ ID NO: 8
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
199 <223> OTHER INFORMATION: PCR Primer
201 <400> SEQUENCE: 8
202 qaagatggtg atgggatttc 20
205 <210> SEQ ID NO: 9
206 <211> LENGTH: 20
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
212 <223> OTHER INFORMATION: PCR Probe
214 <400> SEQUENCE: 9
215 caagcttccc gttctcagcc 20
218 <210> SEQ ID NO: 10
219 <211> LENGTH: 626
220 <212> TYPE: DNA
221 <213> ORGANISM: Homo sapiens
223 <220> FEATURE:
225 <400> SEQUENCE: 10
226 atccgagctt gtgcttgctg ggcatcgaa cagctcggtt attgagtcgg gcagcttgg 60
228 ccacaagaac ttctgcagtg cccccctaagt gaccggaca cttccgaggg gaccatcacc 120

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230 gcttgttat ataacgtttc cggattact ctgctacacg tagcctttt actttgggg 180
232 tttgtttt gttccgaact ttctgttac ctttcaggg ctgacgtcac attaggtgg 240
234 ctttatgag tggagacggg cctgggtctt gggactgga gggcagggt cttctgcc 300
236 tgggttcca ggggtctcg cctgtcaac cagggcttc ctgggagcca ctgcggcaga 360
238 gactcagtt ggccaacttg gggggctgtg tccaccagc ccgcccgtcc tgtggctgc 420
240 acatgtcaac ttgttccctc ctggggcggt tcgagagccg agtctgtggg cactctgtc 480
242 ctgtatgtac ctgtcctttaa taacacgtcg cttcaactg taatcacaac atcctgactc 540
244 ctgtatgtaa taaaaggaa acatcaggca tgctaccagg octgtgcagt caaaaaaaaaa 600
246 aaaaaaaaaa aaaaaaaaaa aaaaaaa 626
249 <210> SEQ ID NO: 11
250 <211> LENGTH: 21501
251 <212> TYPE: DNA
252 <213> ORGANISM: Homo sapiens
254 <220> FEATURE:
256 <221> NAME/KEY: exon
257 <222> LOCATION: (518)...(812)
258 <223> OTHER INFORMATION: exon 1
W--> 260 <221> NAME/KEY: exon:inton junction
261 <222> LOCATION: (812)...(813)
262 <223> OTHER INFORMATION: exon 1:inton 1
264 <221> NAME/KEY: intron
265 <222> LOCATION: (813)...(13608)
266 <223> OTHER INFORMATION: intron 1
W--> 268 <221> NAME/KEY: intron:exon junction
269 <222> LOCATION: (13608)...(13609)
270 <223> OTHER INFORMATION: intron 1:exon 2
272 <221> NAME/KEY: exon
273 <222> LOCATION: (13609)...(13723)
274 <223> OTHER INFORMATION: exon 2
W--> 276 <221> NAME/KEY: exon:inton junction
277 <222> LOCATION: (13723)...(13724)
278 <223> OTHER INFORMATION: exon 2:inton 2
280 <221> NAME/KEY: intron
281 <222> LOCATION: (13724)...(17291)
282 <223> OTHER INFORMATION: intron 2
W--> 284 <221> NAME/KEY: intron:exon junction
285 <222> LOCATION: (17291)...(17292)
286 <223> OTHER INFORMATION: intron 2:exon 3
288 <221> NAME/KEY: exon
289 <222> LOCATION: (17292)...(17389)
290 <223> OTHER INFORMATION: exon 3
W--> 292 <221> NAME/KEY: exon:inton junction
293 <222> LOCATION: (17389)...(17390)
294 <223> OTHER INFORMATION: exon 3:inton 3
296 <221> NAME/KEY: intron
297 <222> LOCATION: (17390)...(18168)
298 <223> OTHER INFORMATION: intron 3
W--> 300 <221> NAME/KEY: intron:exon junction
301 <222> LOCATION: (18168)...(18169)

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302 <223> OTHER INFORMATION: intron 3:exon 4
304 <221> NAME/KEY: exon
305 <222> LOCATION: (18169)...(18243)
306 <223> OTHER INFORMATION: exon 4
W--> 308 <221> NAME/KEY: exon:intron junction
309 <222> LOCATION: (18243)...(18244)
310 <223> OTHER INFORMATION: exon 4:intro 4
312 <221> NAME/KEY: intron
313 <222> LOCATION: (18244)...(18612)
314 <223> OTHER INFORMATION: intron 4
W--> 316 <221> NAME/KEY: intron:exon junction
317 <222> LOCATION: (18612)...(18613)
318 <223> OTHER INFORMATION: intron 4:exon 5
320 <221> NAME/KEY: exon
321 <222> LOCATION: (18613)...(18717)
322 <223> OTHER INFORMATION: exon 5
W--> 324 <221> NAME/KEY: exon:intron junction
325 <222> LOCATION: (18717)...(18718)
326 <223> OTHER INFORMATION: exon 5:intro 5
328 <221> NAME/KEY: intron
329 <222> LOCATION: (18718)...(19065)
330 <223> OTHER INFORMATION: intron 5
W--> 332 <221> NAME/KEY: intron:exon junction
333 <222> LOCATION: (19065)...(19066)
334 <223> OTHER INFORMATION: intron 5:exon 6
336 <221> NAME/KEY: exon
337 <222> LOCATION: (19066)...(19167)
338 <223> OTHER INFORMATION: exon 6
W--> 340 <221> NAME/KEY: exon:intron junction
341 <222> LOCATION: (19167)...(19168)
342 <223> OTHER INFORMATION: exon 6:intro 6
344 <221> NAME/KEY: intron
345 <222> LOCATION: (19168)...(19824)
346 <223> OTHER INFORMATION: intron 6
W--> 348 <221> NAME/KEY: intron:exon junction
349 <222> LOCATION: (19824)...(19825)
350 <223> OTHER INFORMATION: intron 6:exon 7
352 <221> NAME/KEY: exon
353 <222> LOCATION: (19825)...(19911)
354 <223> OTHER INFORMATION: exon 7
W--> 356 <221> NAME/KEY: exon:intron junction
357 <222> LOCATION: (19911)...(19912)
358 <223> OTHER INFORMATION: exon 7:intro 7
360 <221> NAME/KEY: intron
361 <222> LOCATION: (19912)...(20000)
362 <223> OTHER INFORMATION: intron 7
W--> 364 <221> NAME/KEY: intron:exon junction
365 <222> LOCATION: (20000)...(20001)
366 <223> OTHER INFORMATION: intron 7:exon 8

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/006,430

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Input Set : A:\RTS-0341 Sequence Listing.txt
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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:260 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:268 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:276 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:284 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:292 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:300 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:308 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:316 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:324 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:332 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:340 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:348 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:356 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:364 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11